

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device for manufacturing wrapped tubes by helically winding up a thermoplastic, preferably strip-shaped plastic profile (2) onto a winding core (1), a plasticizing aggregate supplying the plastic profile (2) to the winding core (1) via a profile nozzle (4), characterized in

that the plasticizing aggregate is a kneading means (3) supplying a thermoplastic plastic mixed with reinforcing fibers via the profile nozzle (4), the profile nozzle (4) including a first portion with a first end coaxially aligned with, connected to and extending from an output end of the kneading means (3) and a receiving end of a second portion of the profile nozzle (4) connected to a second end of the first portion and depending downwardly away from the second end such that an output end of the second portion is disposed adjacent a middle of the winding core (1) and above a pressing means, the kneading means being a non-grinding, screw kneading aggregate, such that the reinforcing fibers can be homogeneously mixed with the thermoplastic material, while the fiber length of the reinforcing fibers is maintained.

2. (Original) The device according to claim 1, characterized in that the kneading means is a screw kneading aggregate.

3. (Previously Presented) The device according to claim 1, characterized in that the thermoplastic plastic consists of polyethylene or polypropylene.

4. (Previously Presented) The device according to claim 1 characterized in that the reinforcing fibers consist of plastic, glass and/or metal.

5. (Original) The device according to claim 3, characterized in that the reinforcing fibers consist of glass fibers, aramide fibers and/or carbon fibers.

6. (Previously Presented) The device according to claim 4, characterized in that the fiber length of the reinforcing fibers amounts to at least 2 mm, preferably to more than 4 mm up to endless.

7. (Previously Presented) The device according to claim 1, characterized in that the wrapped tube consists of several superposed winding layers (9a, 9b) formed of the plastic profile (2) and extending under an oblique angle relative to each other.

8. (Previously Presented) The device according to claim 1, characterized in that the fiber-reinforced mixture homogenized in the kneading means (3) consists of

- 60 to 94 percent by weight of polyethylene or polypropylene
- 1 to 10 percent by weight of bonding agent as well as
- 5 to 40 percent by weight of reinforcing fibers.

9. (Withdrawn) A method for manufacturing wrapped tubes by winding up a thermoplastic, preferably strip-shaped plastic profile (2) onto a winding core (1) in an overlapping manner, the plastic profile (2) being supplied to the winding core (1) from a plasticizing aggregate and a profile nozzle (4),

characterized in

that a kneading means (3) is employed as a plasticizing aggregate for manufacturing wrapped tubes with an increased internal pressure resistance,

and that a thermoplastic plastic is brought to a predetermined melting temperature and homogeneously mixed with reinforcing fibers in the screw kneader (3),

the fiber-reinforced homogenized thermoplastic plastic mixture being subsequently supplied to the winding core (1) via the profile nozzle (4).

10. (Withdrawn) The method according to claim 9, characterized in that polyethylene or polypropylene is used as thermoplastic plastic.

11. (Withdrawn) The method according to claim 7, characterized in that reinforcing fibers of plastic, glass and/or metal are used.

12. (Withdrawn) The method according to claim 9, characterized in that the wrapped tube is formed of several winding layers (9a, 9b) wrapped on top of each other.

13. (Withdrawn) The method according to claim 12, characterized in that the plastic profile (2) is supplied to the winding core (1) under a predetermined oblique angle.

14. (Withdrawn) The method according to claim 12, characterized in that the several winding layers (9a, 9b) are wound up continuously and that at the reversal positions at the ends of the winding core (1), the oblique angle changes to a different oblique angle with opposite direction due to the reversal of the winding direction in such a manner that succeeding winding layers (9a, 9b) cross each other.

15. (Withdrawn) The method according to claim 12, characterized in that the innermost and/or the outermost winding layer is wound of polyethylene without any fiber reinforcement.

16. (Withdrawn) A wrapped tube manufactured according to the method according to claim 9, characterized in that it consists of a fiber-reinforced homogeneous mixture of

- 60 to 94 percent by weight of polyethylene or polypropylene
- 1 to 10 percent by weight of bonding agent as well as
- 5 to 40 percent by weight of reinforcing fibers arranged in random orientation.

17. (Previously Presented) The device according to claim 2, characterized in that the thermoplastic plastic consists of polyethylene or polypropylene.

18. (Previously Presented) The device according to claim 5, characterized in that the fiber length of the reinforcing fibers amounts to at least 2 mm, preferably to more than 4 mm up to endless.

19. (Withdrawn) The method according to claim 8, characterized in that reinforcing fibers of plastic, glass and/or metal are used.

20. (Withdrawn) The method according to claim 13, characterized in that the several winding layers (9a, 9b) are wound up continuously and that at the reversal positions at the ends of the winding core (1), the oblique angle changes to a different oblique angle with opposite direction due to the reversal of the winding direction in such a manner that succeeding winding layers (9a, 9b) cross each other.

21. (Currently Amended) The device according to claim 1 further including a non-cuttinggrinding, double screw kneader with two screws arranged in parallel next to each other and each screw having the same rotational direction such that the non-cuttinggrinding, double screw kneader does not have edges to cutalter the length of the reinforcing fibers.

22. (Previously Presented) The device according to claim 1 wherein the screw kneading aggregate is seated on a reciprocating slide that is slidingly connected to a guide that is parallel to the winding core, the reciprocating slide adapted to move along the guide and parallel to the winding core.

23. (Previously Presented) A device for manufacturing wrapped tubes by helically winding up a thermoplastic strip-shaped plastic profile, the device comprising:

a winding core;

pressing means coaxially aligned with and disposed adjacent to the winding core;

a guide positioned parallel to the winding core;

a reciprocating slide slidably connected to the guide, the reciprocating slide being adapted to move along the guide and parallel to the winding core;

a screw kneading aggregate seated on the reciprocating slide and disposed substantially perpendicularly to a longitudinal axis of the winding core and including a non-grinding, double screw kneader with two screws arranged in parallel next to each other and each screw having the same rotational direction such that reinforcing fibers can be homogeneously mixed with a thermoplastic material without shortening a fiber length of the reinforcing fibers, the screw kneading aggregate being moveable along the guide and parallel to the winding core; and

a profile nozzle connected to the screw kneading aggregate to supply a strip-shaped plastic profile from the screw kneading aggregate to the winding core, the profile nozzle including a first portion with a first end coaxially aligned with, connected to and extending from an output end of the screw kneading aggregate and a receiving end of a second portion of the profile nozzle connected to a second end of the first portion and depending at an angle downwardly away from the second end such that an output end of the second portion is disposed adjacent a middle of the winding core and above the pressing means.